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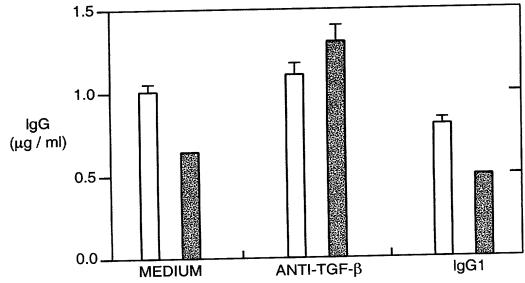


FIG.\_3A

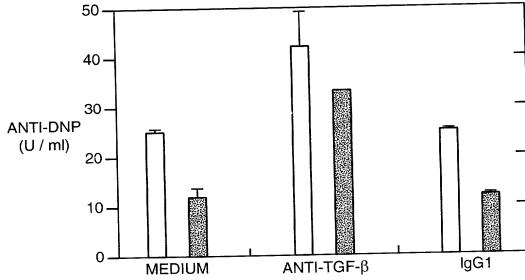


FIG.\_3B

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TGF- $\beta$  has opposing effects on T cell production of TNF-  $\alpha$  and IL-10

TNF-Q

**JMEDIUM** 

25007

**ZZZ** TGF-β BOTH

1500-

U/m

1000-

2-II-2

2000-

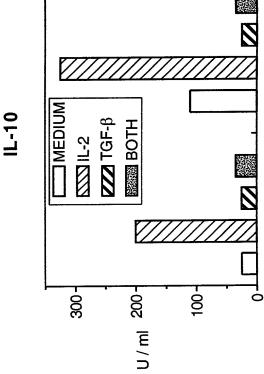


FIG.\_6B

CON A (µg / ml)

2.5

CHONALL PROPERTY

# 

500-

70

FIG.\_6A

CON A (µg/ml)

2.5

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Exp 2

TNF-  $\alpha$  is an essential intermediate for the generation of regulatory T cells by TGF- $\beta$ 

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Exp 1

CD8<sup>+</sup>reg anti-TNF-α ☐ MEDIUM ZZ Con IgG MEDIUM 2.5 0.0 5.0 lgG (ug / ml)

FIG.\_7A

CD8<sup>+</sup>reg 圆圆 anti-TNF-α MEDIUM ZZ Con IgG MEDIUM 2 37 lgG (ug/ml)

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**3000** 

NE CALLED

10-

8

PERCENT POSITIVE

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TGF- $\beta$  +aTNF- $\alpha$ 

TGF-β

Nil

0

npon TNF-α

TNF-∝

Effect of TGF-β on various suppressors of cytotoxic T cell activity the generation of cell subsets in

### CD4 CD45RA

**EFFECTOR: TARGET RATIO** 100 ---- Allo-CTL activity -+ TGF-8 CD4 -0-+ Con CD4 50 25 % LYSIS 50-Ö

25-

% LYSIS

Effect of TGF- $\beta$  on various suppressors of cytotoxic T cell activity the generation of T cell subsets in

## CD4 CD45RO

---- Allo-CTL activity

+ Con CD4

+ TGF-8 CD4

50-

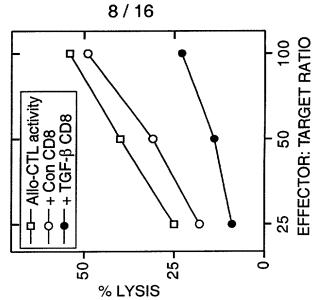


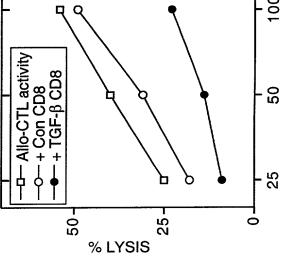
FIG.\_9C

FIG.\_9B

FIG.\_9A

Effect of TGF-β on various suppressors of cytotoxic T cell activity T cell subsets in the generation of

### CD8 CD45RA



90

50

25

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**EFFECTOR: TARGET RATIO** 

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ORIGINALLY FILED

Effect of CD4 cells primed with TGF-β (CD4reg) on Allo-CTL activity

Effect of CD4 cells primed with TGF- $\beta$  (CD4reg) on Allo-CTL activity

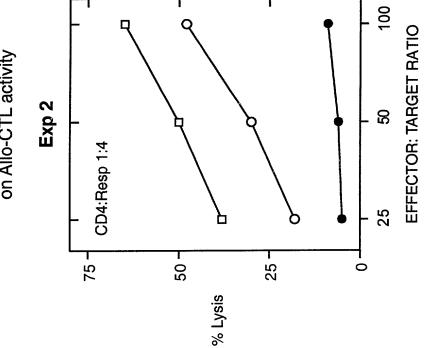


FIG.\_ 10B

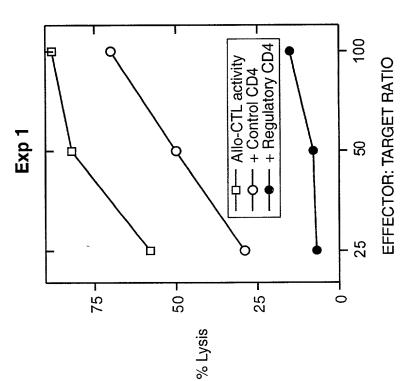


FIG.\_ 10A

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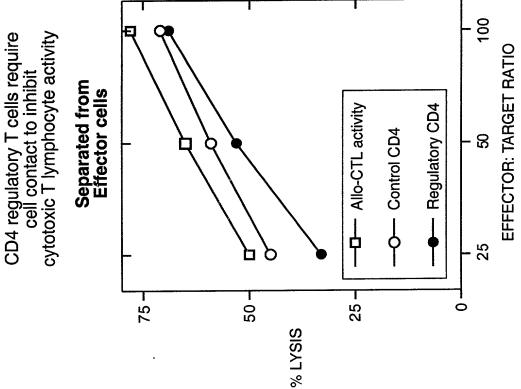
TA TRADEN

The state of the s

CD4 regulatory T cells require cell contact to inhibit cytotoxic T lymphocyte activity

With Effector Cells

75 -



100 **EFFECTOR: TARGET RATIO** FIG.\_11A ය CD4:Resp 1:4 50 <del>-</del> 25 -0

% LYSIS

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FIG.\_ 11B

THE REAL PROPERTY AND ASSESSMENT OF THE PERSON OF THE PERS

Suppression of lymphocyte proliferation by regulatory CD4+ T cells induced with TGF- $\beta$ 

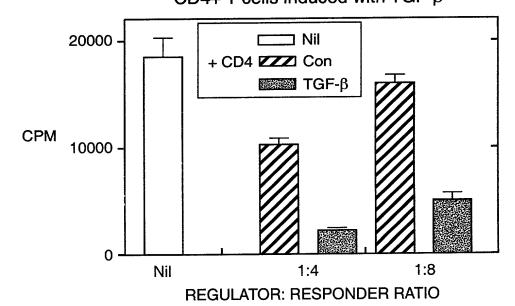
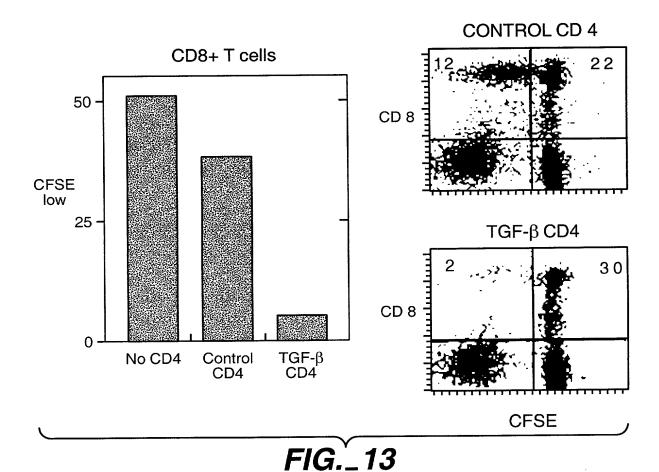


FIG.\_12



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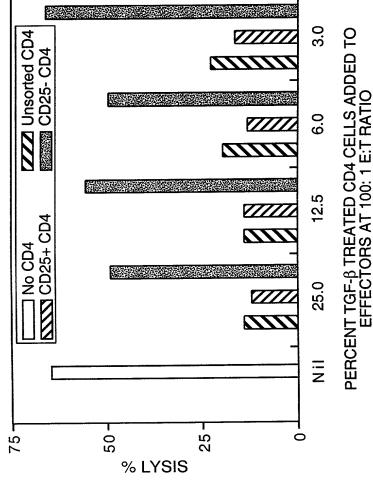
FIG.\_ 14B

Regulatory CD4+ T cells are CD25+ and are extremely

Regulatory CD4+ T cells are CD25+ and are extremely potent

75.





+TGF-\( \begin{array}{c} \cdot +TGF-β CD25-

+TGF-B

25-

No CD4 등 수

% LYSIS

50-

100

20

25

# FIG.\_ 14A

**EFFECTOR: TARGET RATIO** 

THE REAL ASSESSMENT OF THE PARTY AND ASSESSMENT OF THE PARTY ASSESSMENT OF THE



Active TGF- $\beta$ 

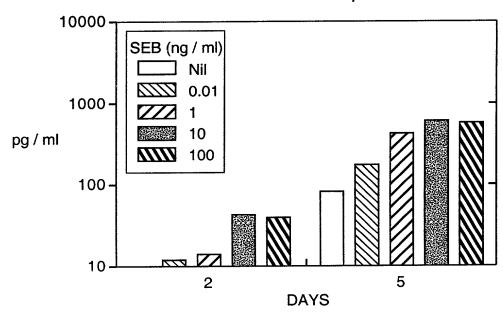


FIG.\_15A

Total TGF- $\beta$ 

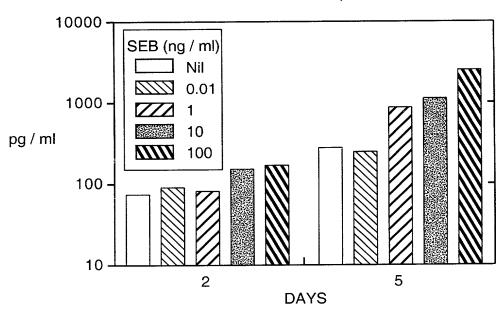


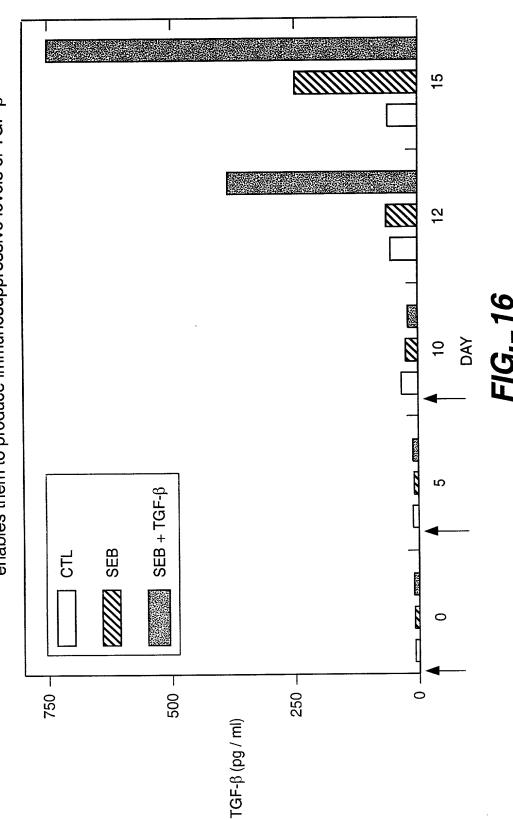
FIG.\_15B



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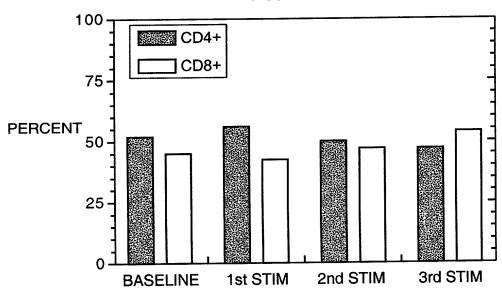
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Untreated

### T cell subset



**FIG.\_17A** 

### Untreated

### **CD25 Expression**

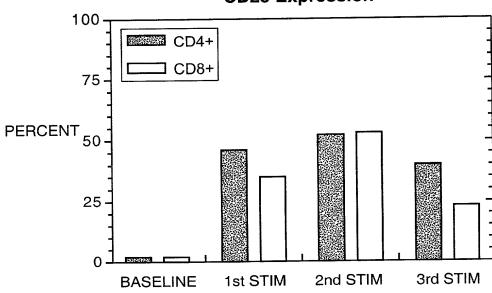
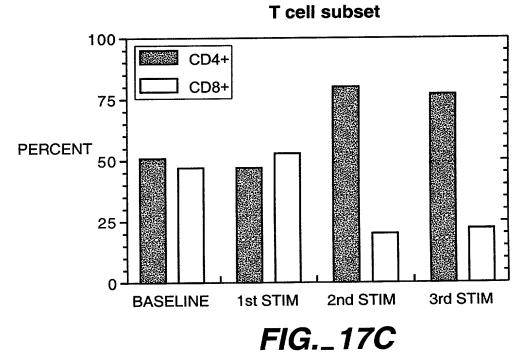


FIG.\_17B

TGF-β Treated



TGF-β Treated

### **CD25 Expression**

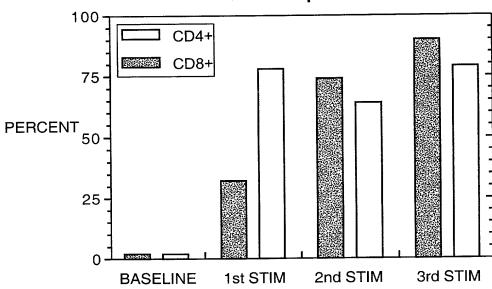


FIG.\_17D